Fig 100
Legend:
User- 101; Fiduciary account- 102; Escrow account -103

Fiduciary Account

Escrow Account
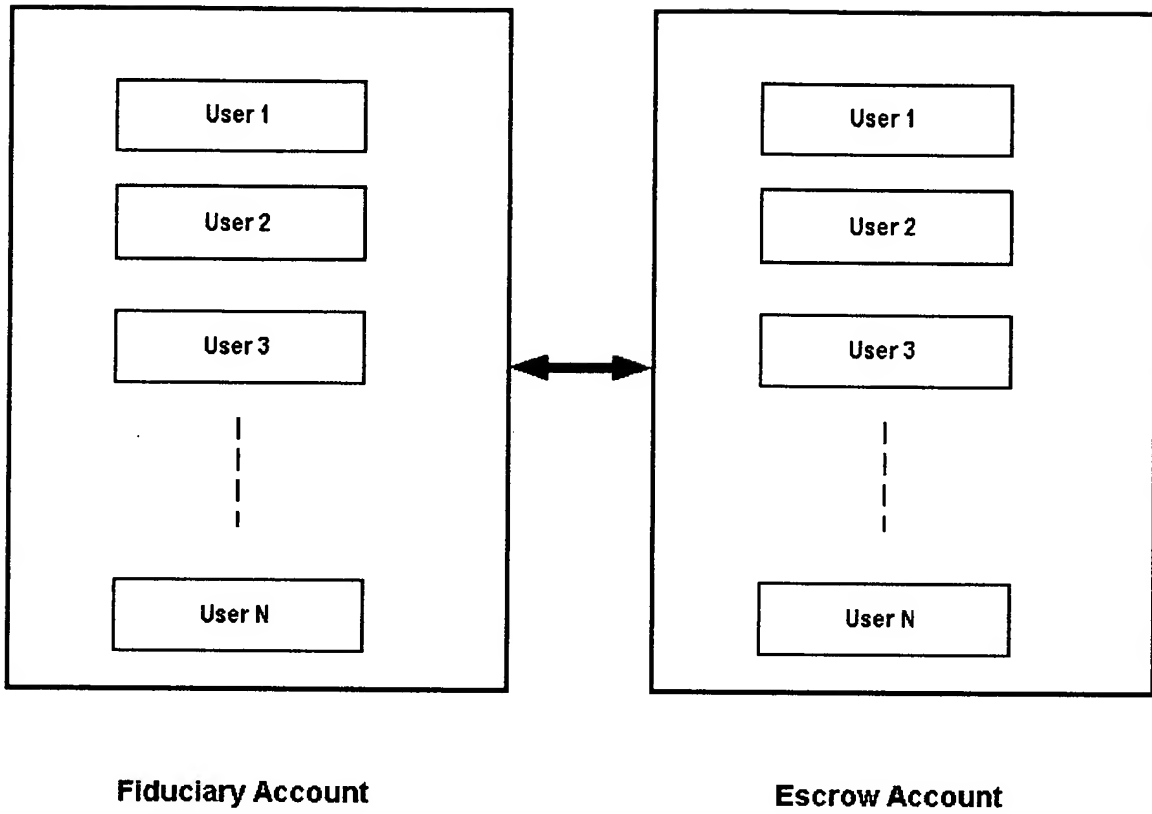
Cash Management of Fixed Currency   Fig.100

Fig. 200
Legend:
User-201; User interface-202
Banker interface-203; System-204; Partner bank-205

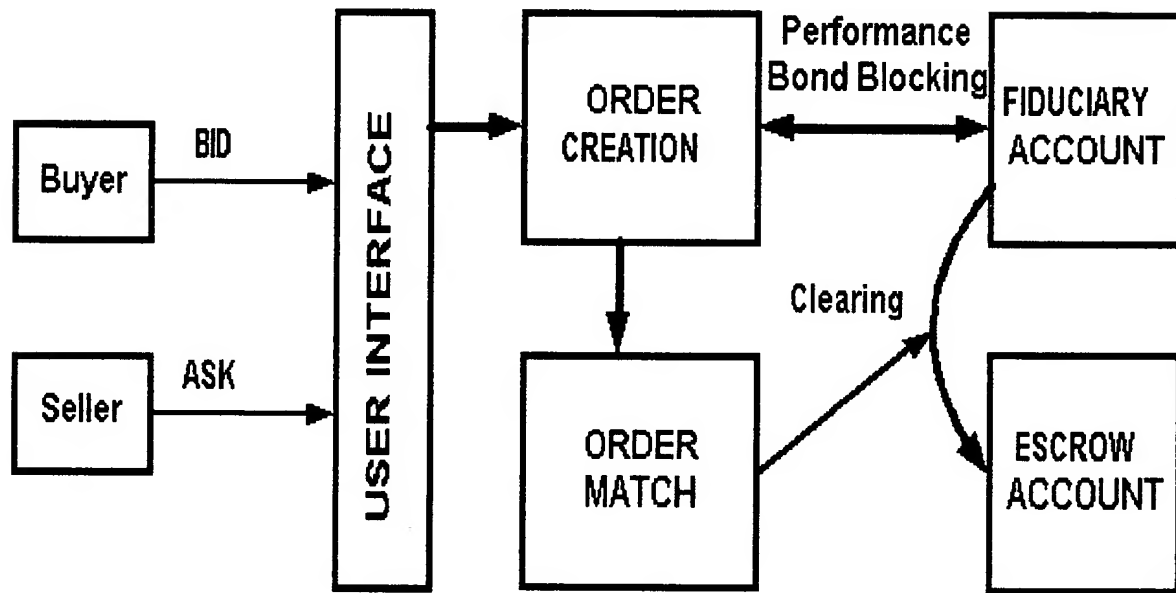| User 1 | ⟷ | USER INTERFACE | SYSTEM | BANK INTERFACE | ⟷ | PARTNER BANK |
User 2	⟷					
User 3	⟷					
⋮						
User N	⟷					
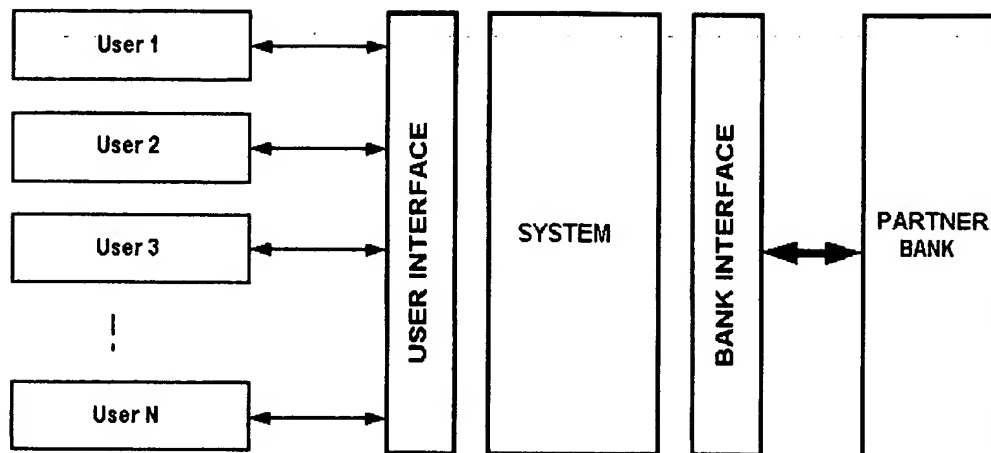
Cash Management Interface

Fig 200

Fig.300
Legend:
Buyer bid-301; Seller ask-302; User interface-303
Order creation-304; Order match clearing- 305
Fiduciary account-306; Performance bond-307; Escrow account-308

The Matching Process   Fig. 300

Fig.350
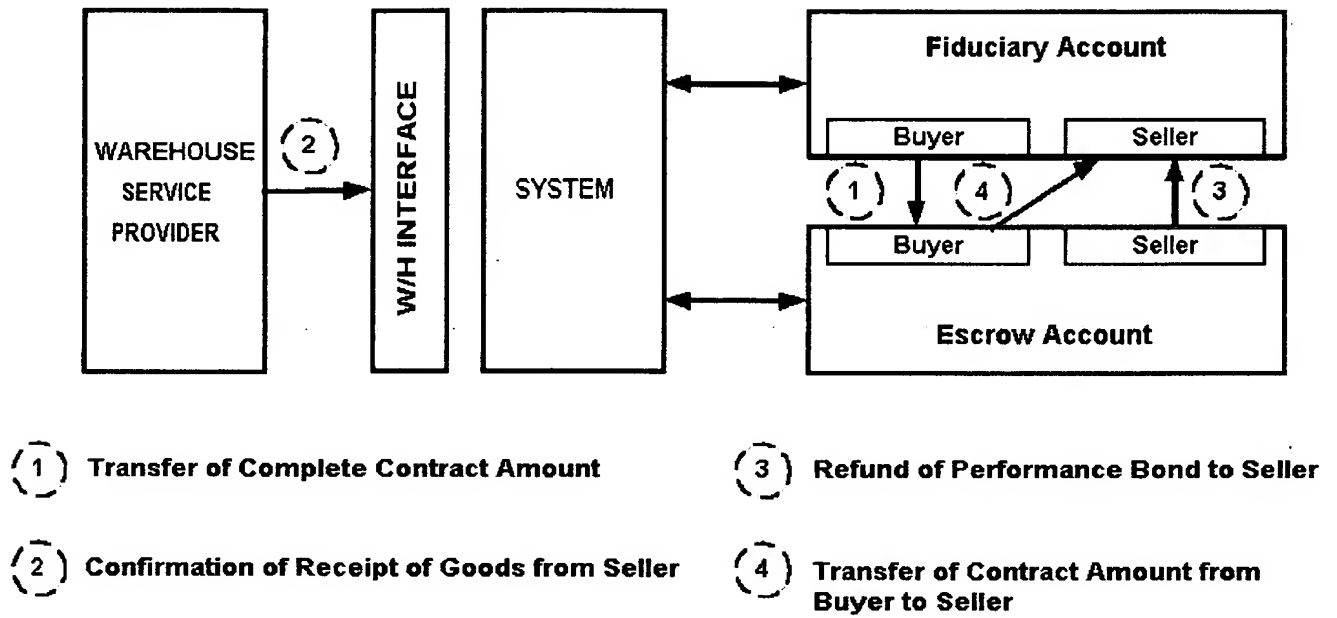Legend:
Buyer-351 ; Seller-353
Warehouse service provider-352
Warehouse interface-304; System-305
Fiduciary account-306; Escrow account-307

(1) Transfer of Complete Contract Amount

(2) Confirmation of Receipt of Goods from Seller

(3) Refund of Performance Bond to Seller

(4) Transfer of Contract Amount from Buyer to Seller
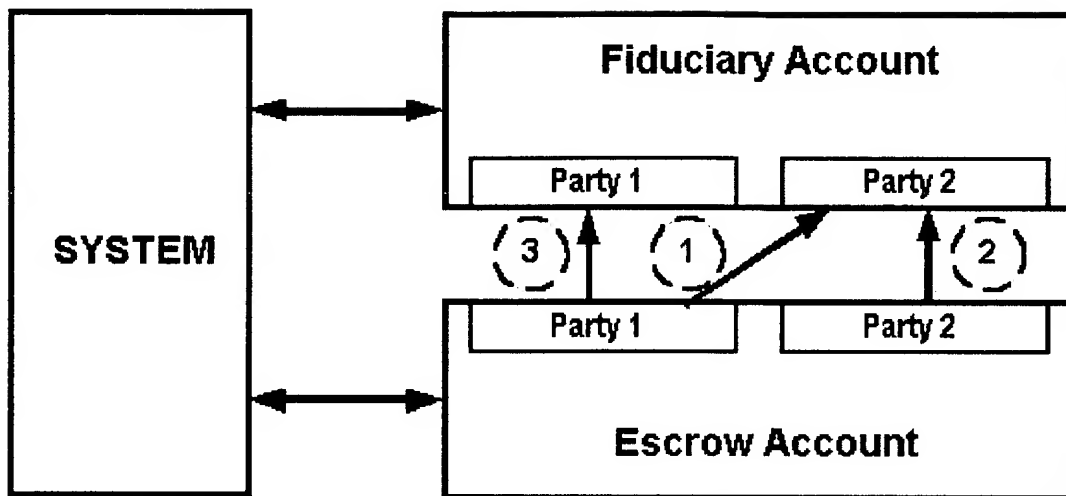
Physical Delivery Settlement

Fig. 350

Fig. 400
Legend:
System-401
Party 1-402; Party 2-403
Fiduciary account-404; Escrow account-405

(1) Transfer of Offset Amount from Party 1 to Party 2

(2) Refund of Performance Bond to Party 2

(3) Refund of Balance of Performance Bond to Party 1

Cash (Offset) Settlement   Fig.400

Fig.450
Legend:
User-451; User's bank-452; User interface-453
Partner bank-454; Bank interface-455; Systeem-456; Clearinghouse-457
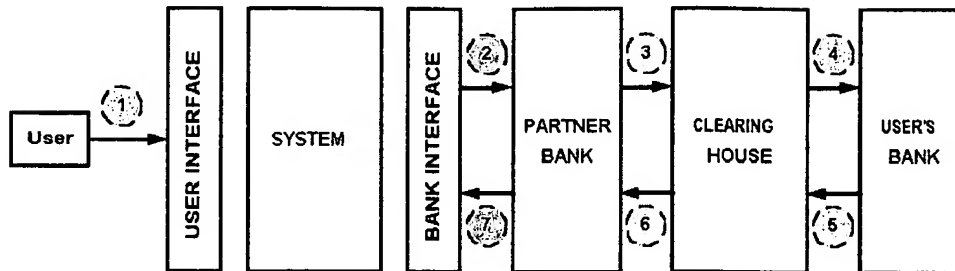
Clearing Process Between Two Nodes   Fig. 450

Fig. 500
Legend:
Virtual private network- 501
Boston-502; Frankfurt-503; London- 504; Singapore-505; Hong Kong-506; Tokyo-507;
Seoul-508
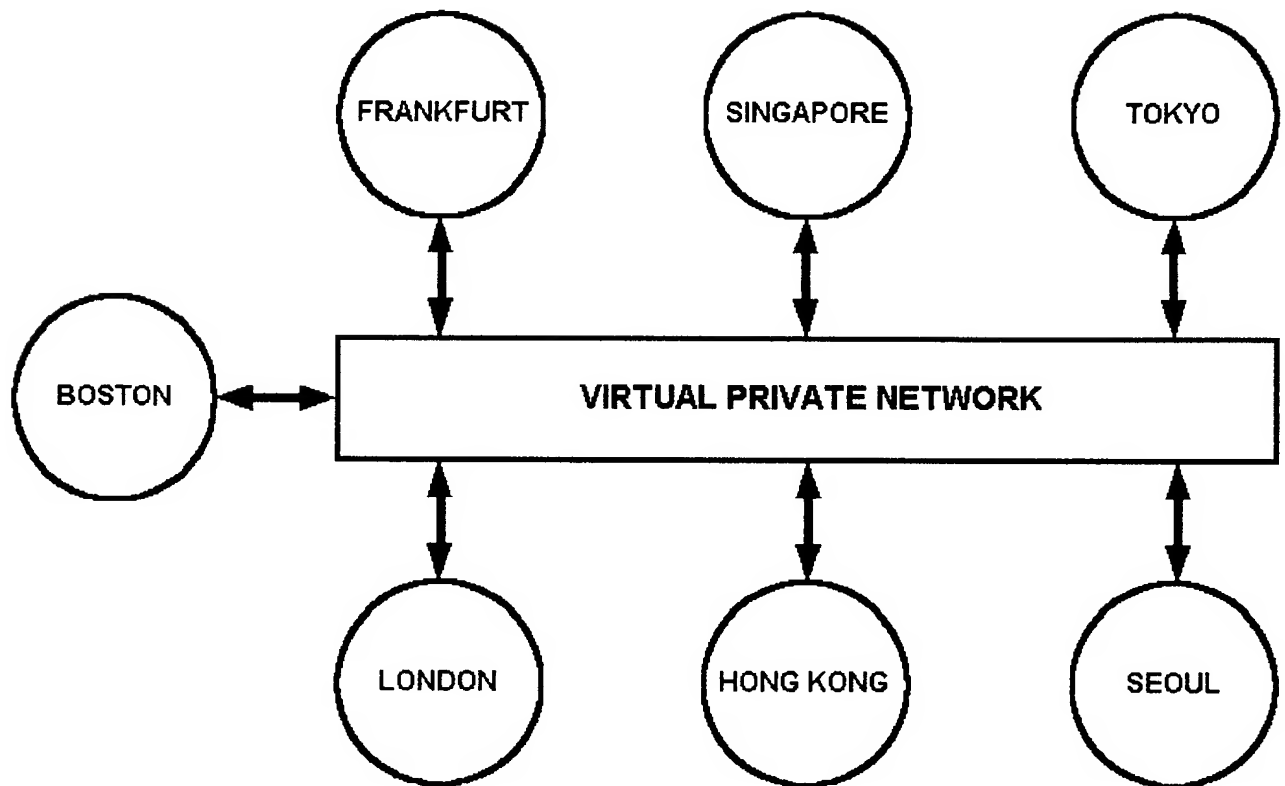
Inter-networking of Nodes   Fig. 500

Fig.700
Legend:
Virtual private network-701
Node 1- 702; Node 2-703; Node 3-704; Node N-705
Bank interface-706; Partner bank-707
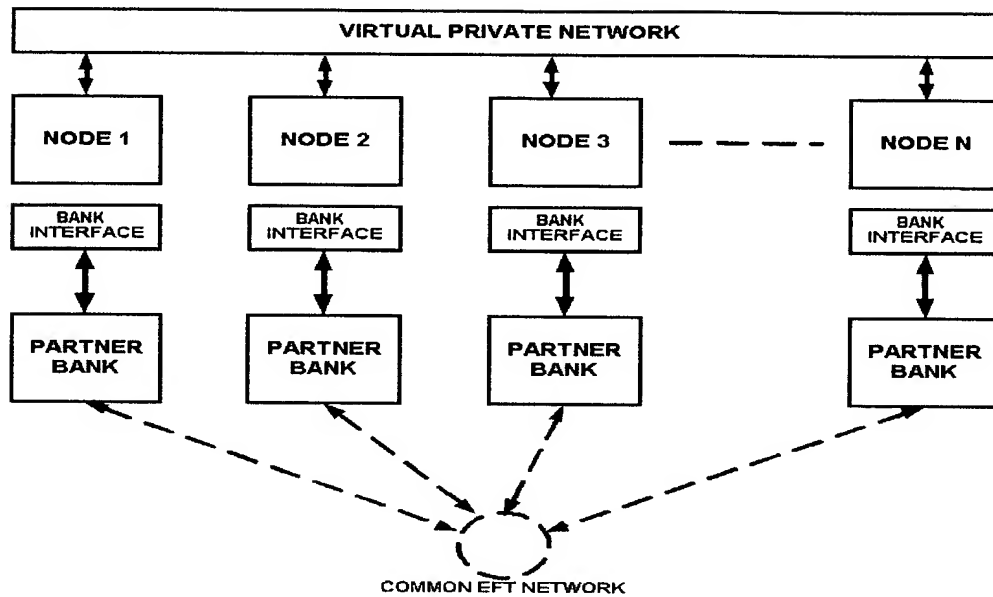
Open Architecture Clearing   Fig. 700

Fig.800
Legend:
Node A and Node B-801
Fiduciary – 802; Escrow-803; Local currency- 804; US Dollar-805
Buyer-806; Seller-807

Node A

seller

Fiduciary	Escrow

Local Curr.   US Dollar

Node   B

=

buyer

Fiduciary	Escrow

US Dollar

Node's Fund maintenance   Fig.800

Fig.900

Legend: F: foreign; V: variable; ACH: automatic clearinghouse; ETF: electronic fund transfer
NODE A-901; NODE B-903; Fiduciary account at local banks-902
MACHA format-904; Other national clearinghouse fixed/variable currency-905;
ACH/EFT- 906; Currency conversion, daily;-907

```
┌──────────┐   ┌────────────────┐   ┌────────────────┐   ┌──────────┐
│  NODE A  │──▶│ Fiduciary Account at │   │ Fiduciary Account at │──▶│  NODE B  │
│          │   │ local bank A (partner)│─ ─│ local bank B (partner)│   │          │
└──────────┘   └────────────────┘   └────────────────┘   └──────────┘

              ┌──────────────┐
              │ NACHA format │
              │ payment, within │
              │ US           │
              └──────────────┘

        ┌──────────────┐   ┌──────────────┐
        │ Other national │   │   ACH/EFT    │
        │ clearinghouses │◁─▶│  translation │
        │ /fixed currency │   │              │
        └──────────────┘   └──────────────┘

        ┌──────────────┐   ┌──────────────┐
        │ Other national │   │  Currency    │
        │ clearinghouses, │◀▶│ conversion, once │
        │ variable currency │   │  daily       │
        └──────────────┘   └──────────────┘
```
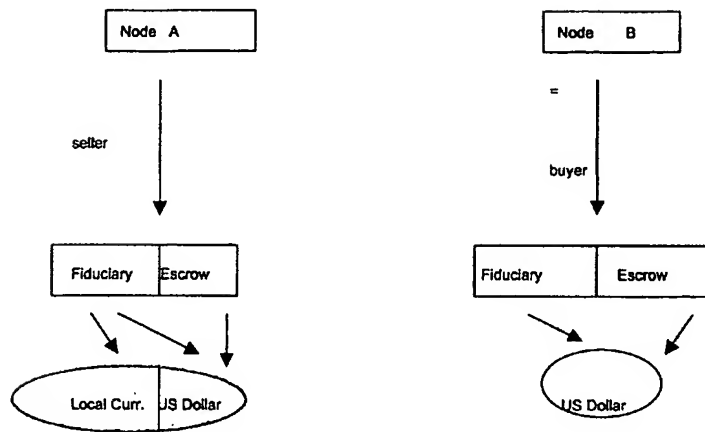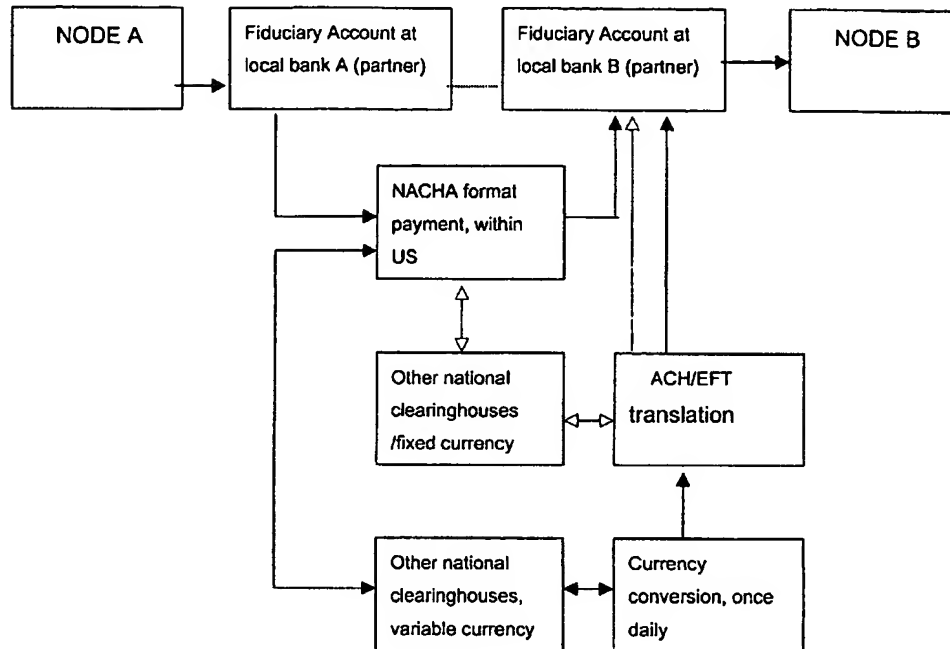
1) ACH payments in the US   _____

2) ACH /other EFT payments translation, F-F currencies   _____

3) ACH /other EFT payments translation, F-V/V-F currencies   _____

INTER NODAL PAYMENTS   .   Fig. 900

Fig.1100
Legend:
Time-1101; Eastern Standard Time- 3: 1102; Est-1102; EST+6: 1103; EST+14: 1104

Time	EST-3	EST	EST+6	EST+14
Location	San Jose	New York	Frankfurt	Hong Kong
Operating	8 am to 3 pm	10 am to 5 pm	10 am to 6 p m	8 am to 4 p m
EST Relative Position	mostly open	open	Partially open	closed

Nodes operating in local time

Fig. 1200

event	Node at	DAY 1 - 10am	14	18	22	DAY 2 - 2AM	6	10	14	18	22	DAY 3-2AM
pin activation												
trade exec	New York	————————										
trade exec	London	————										
trade exec	Tokyo				————————							
match made	Frankfurt	————										
match made	San Jose		————									
match made	New York	———	—	—								
match made	Singapore				—————————							
order cleared		▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬										
order settled						▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬						
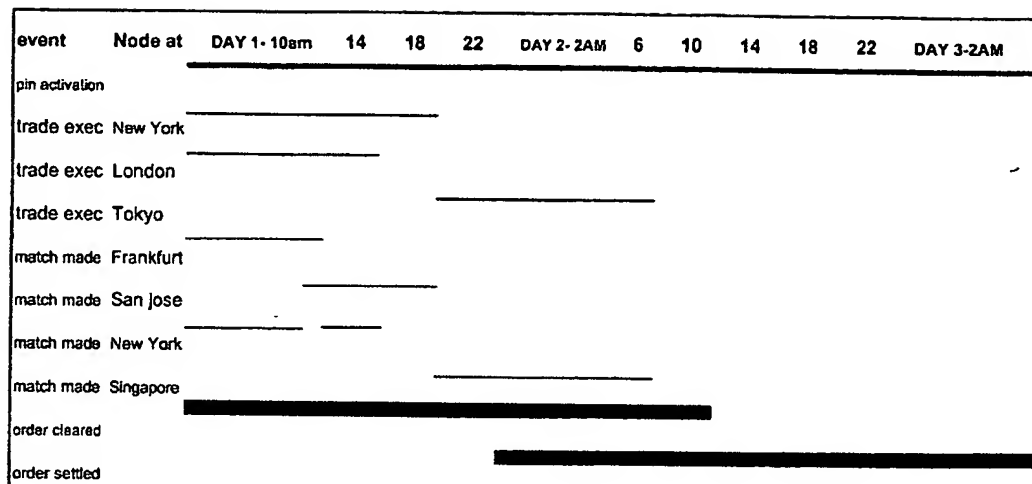
2- day time frame for clearing and settlement

Fig.1400

Choices	Tag no	Field name	content
Mandatory	20	Transaction reference number	16x
Optional	21	Related reference	16x
Mandatory	25	Account Identification	35x
Mandatory	28C	Statement no./sequence no.	5n , 5n optional
Mandatory	60a	Opening balance	1!a6!n3!a15d
Optional	61	Statement line	6!n[4!n]2a[1!a]15 d1!a3!c16x[//16x][34x]
Optional	86	Information to account owner	6*65x
Mandatory	62a	Closing balance (booked funds)	1!a6!n3!a15d
Optional	64	Closing available balance	ditto

Optional	65	Forward available balance	1!a6!n3!a15d

Optional	86	Information to account owner	6*65x

S.W.I.F.T format specification for Customer statement message, MT 940

Fig.1400

Choices	Tag no	Field name	content
Mandatory	20	Transaction reference number	16x
Optional	21	Related reference	16x
Mandatory	25	Account identification	35x
Mandatory	28C	Statement no./sequence no.	5n , 5n optional
Mandatory	60a	Opening balance	1!a6!n3!a15d
Optional	61	Statement line	6!n[4!n]2a[1!a]15 d1!a3!c16x[//16x][34x]
Optional	86	Information to account owner	6*65x
Mandatory	62a	Closing balance (booked funds)	1!a6!n3!a15d
Optional	64	Closing available balance	ditto

Optional	65	Forward available balance	1!a6!n!3!a15d

Optional	86	Information to account owner	6*65x

S.W.I.F.T format specification for Customer statement message, MT 940